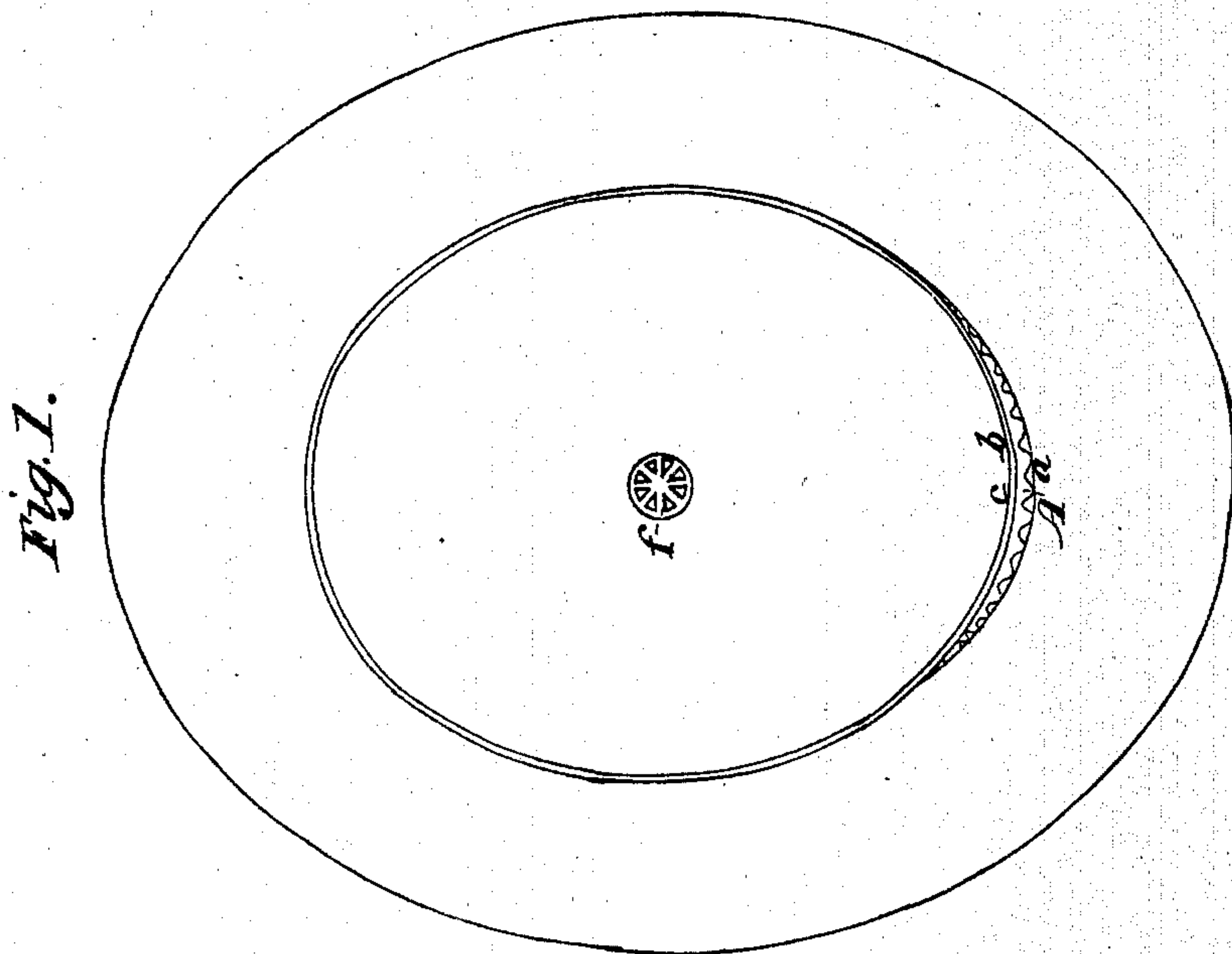
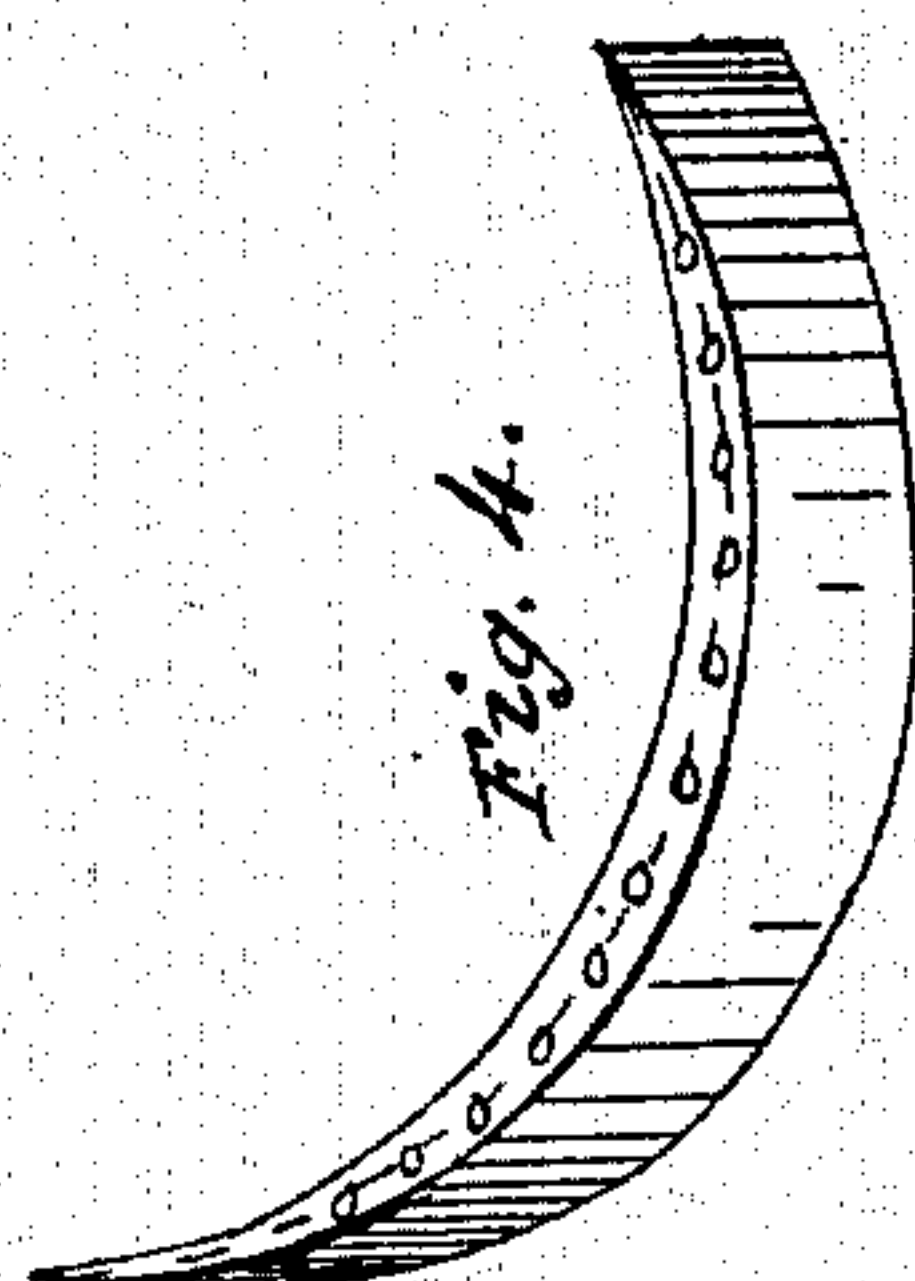
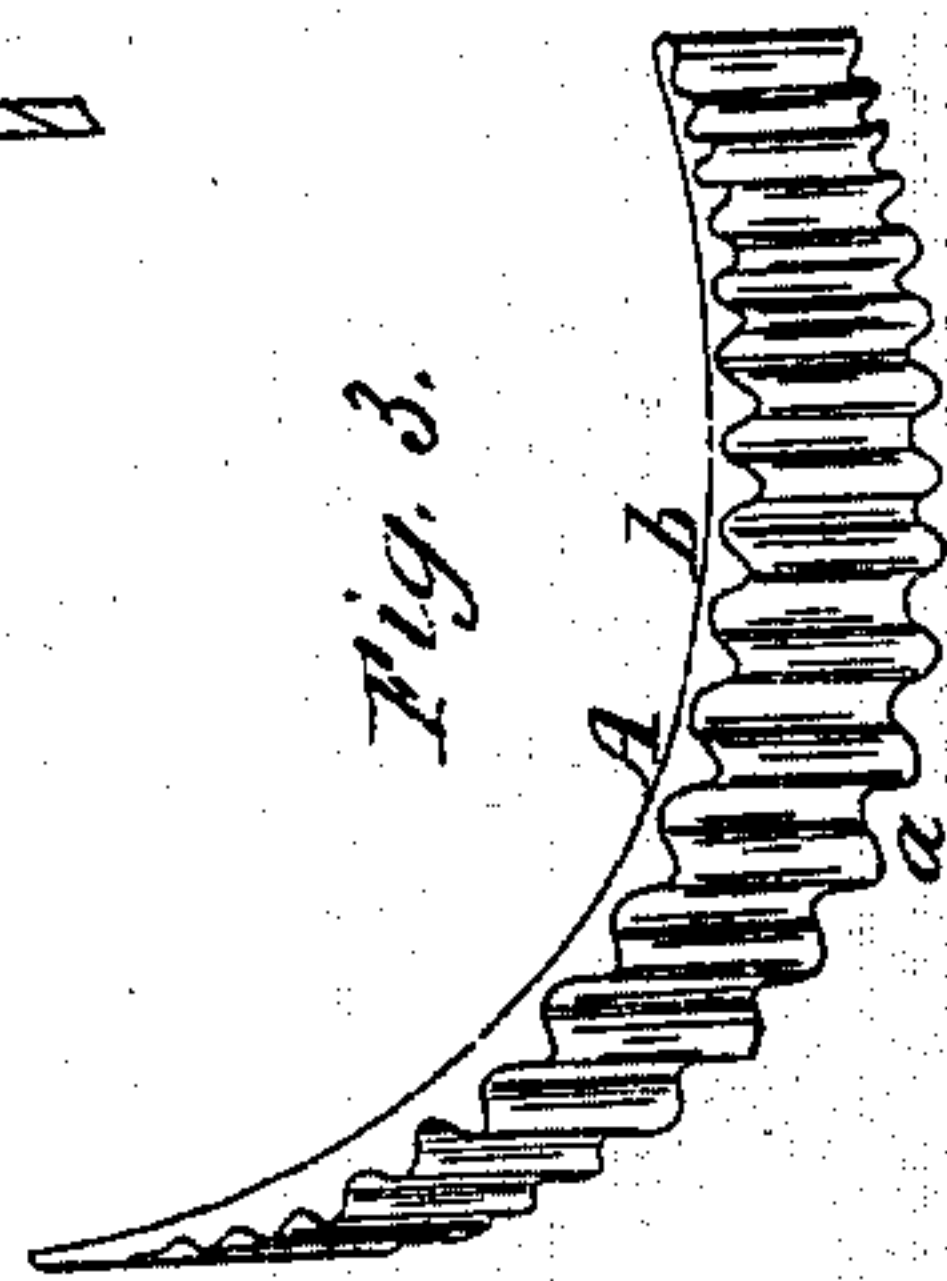
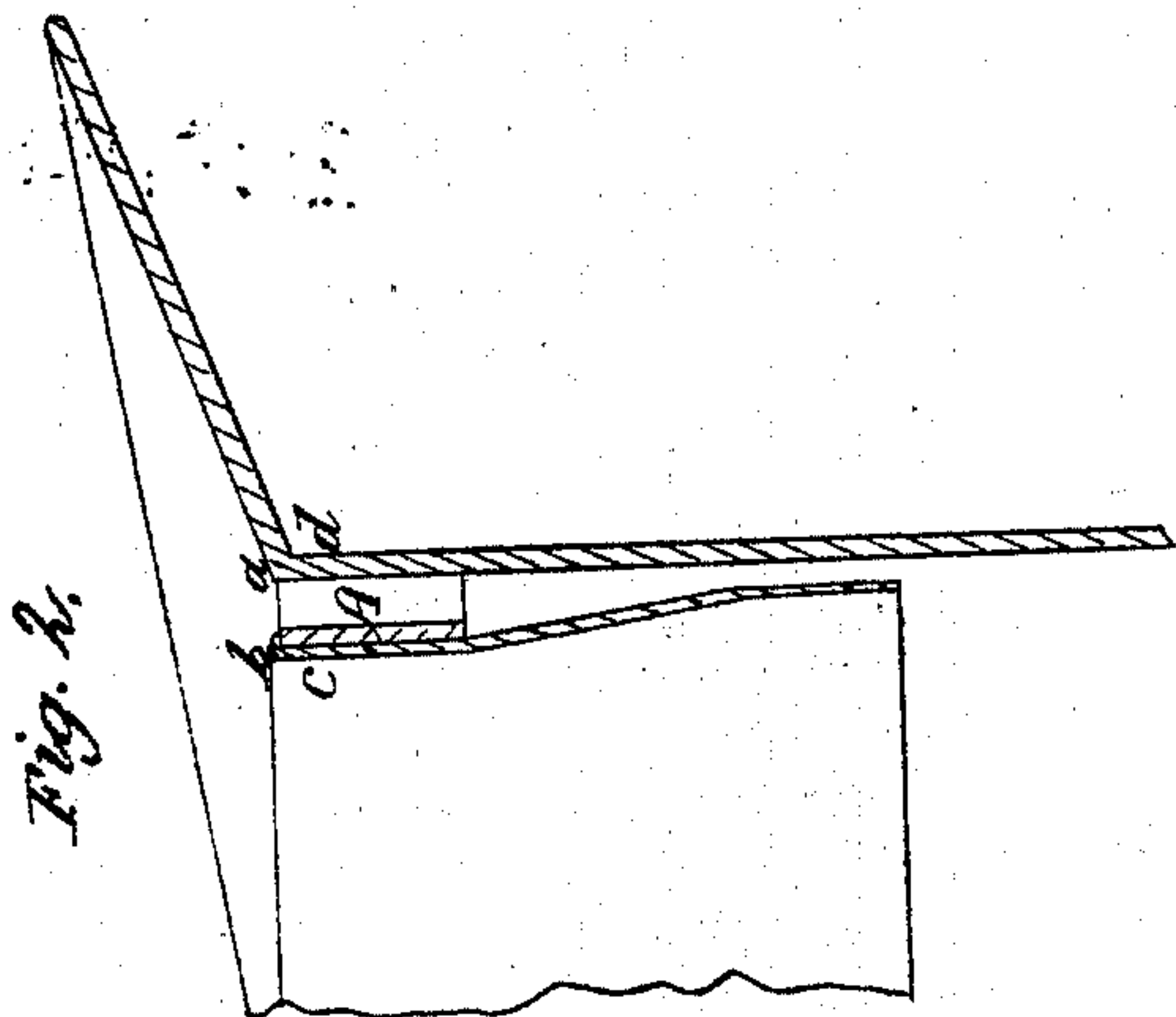


*J. Mc Mannus.*  
*Ventilator.*

*No. 26,692.*

*Patented Jan. 3. 1860.*



*Witnesses.*  
*Thos. W. Upherrman* } *Jno Mc Mannus*  
*E. Cohen* } *per atty A. D. Stoughton*



# UNITED STATES PATENT OFFICE.

JOHN McMANNUS, OF NEW YORK, N. Y.

## VENTILATION OF HATS.

Specification forming part of Letters Patent No. 26,692, dated January 3, 1860; Reissued March 13, 1860, No. 927.

REISSUED

*To all whom it may concern:*

Be it known that I, JOHN McMANNUS, of the city, county, and State of New York, have invented a certain new and useful Improvement in Self-Ventilating Hats; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, making a part of this specification, in which—

Figure 1, represents the under part of a hat with my improvement attached to it. Fig. 2, represents a section through a portion of the rim, body, sweat-cloth, and ventilator, and Figs. 3 and 4, represent the ventilating piece detached from the hat.

I am aware that ventilating holes have been made in the sweat-cloth of a hat. These holes get closed up to the air, while they allow the perspiration to pass through them and stain or soil the exterior of the hat. I am also aware that corrugated metal pieces have been introduced between the lining and the exterior of the hat, to make these ventilating openings. The metal is of course impervious to the perspiration, and it will preserve its air spaces, but it is an exceeding uncomfortable thing to press against the head, and thus fails to come into use.

My object is to make a hat that will ventilate while on the head of the wearer, that will not allow the perspiration to pass through it, that will not close up by the pressure in wearing it, and that will give a smooth bearing surface for the head. And all these elements I find in the ventilating strip which I shall hereafter mention, applied between the sweat cloth and the exterior of the hat.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same with reference to the drawings.

I take a crescent shaped piece of prepared rubber, gutta-percha, which will extend around the forepart of a hat, as seen at Fig. 3, marked A, one side of which *a* is made

into corrugations, and the other side *b* left plain and smooth. This piece A, is put into the hat between the sweat cloth *c*, and the body *d* of the hat—the smooth side *b*, next the head, and the corrugated side *a* next the hat body, and thus there is a smooth bearing for the forehead against the ventilating piece, and the openings through it next the brim, cannot, owing to the nature of the material out of which the ventilating piece A is made close up. A very good way of making these ventilating strips is to first mold the piece as shown at Fig. 4, and afterward divide it as shown by the red line therein, and thus make two out of it. This makes the holes of Fig. 4, into grooves or corrugations as shown at Fig. 3. And the piece Fig. 4, may be used entire, though it is heavier than necessary. I much prefer however the plan shown at Fig. 3, as it is much lighter and makes as good a ventilation.

*f*, represents the ordinary ventilation in the crown of the hat, but it with the ventilator A, affords a constant circulation of air through the hat while on the head, the hat, being just as comfortable as any other hat, impervious to the perspiration of the forehead, and there being no possibility of the openings being closed up by pressure in wearing.

Having thus described the nature and object of my invention, I would state that, I do not claim holes in a hat sweat-cloth, nor do I claim corrugations simply, nor corrugated fibrous material or metal strips, but

What I do claim is—

A ventilating piece composed of india rubber or gutta percha having a smooth surface next the head, and grooves or openings next the brim, and firm enough not to crush or close up said openings, as herein represented and for the purpose set forth.

JNO. McMANNUS.

Witnesses:

WM. FILLER,

WM. H. STANSBURY.